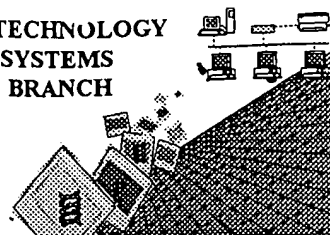


T. Saichha

BIOTECHNOLOGY
SYSTEMS
BRANCH



#24
JP

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/586,744 B
Source: 1600
Date Processed by STIC: 2/1/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/586,744B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 **Wrapped Nucleics** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
 Wrapped Aminos

- 2 **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 **Misaligned Amino** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
 Numbering

- 4 **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

- 5 **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 **PatentIn 2.0** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
 "bug"

- 7 **Skipped Sequences** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 **Skipped Sequences** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 9 **Use of n's or Xaa's** Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 **Invalid <213>** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

- 11 **Use of <220>** Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 **PatentIn 2.0** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
 "bug"



1600

RAW SEQUENCE LISTING

DATE: 02/01/2002

PATENT APPLICATION: US/09/586,744B

TIME: 08:56:52

Input Set : A:\9584-017.txt

Output Set: N:\CRF3\02012002\I586744B.raw

Does Not Comply
Corrected Diskette Needed

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

3 <110> APPLICANT: Harrington, et al.
5 <120> TITLE OF INVENTION: Mammalian Flap Specific-Endonuclease
7 <130> FILE REFERENCE: 9584-017
9 <140> CURRENT APPLICATION NUMBER: 09/586,744B
10 <141> CURRENT FILING DATE: 2000-06-02
12 <160> NUMBER OF SEQ ID NOS: 74
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 380
18 <212> TYPE: PRT
C--> 19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Peptide
24 <400> SEQUENCE: 1
26 Met Gly Ile Gln Gly Leu Ala Lys Leu Ile Ala Asp Val Ala Pro Ser
27 1 5 10 15
29 Ala Ile Arg Glu Asn Asp Ile Lys Ser Tyr Phe Gly Arg Lys Val Ala
30 20 25 30
32 Ile Asp Ala Ser Met Ser Ile Tyr Gln Phe Leu Ile Ala Val Arg Gln
33 35 40 45
35 Gly Gly Asp Val Leu Gln Asn Glu Glu Gly Glu Thr Thr Ser His Leu
36 50 55 60
38 Met Gly Met Phe Tyr Arg Thr Ile Arg Met Met Glu Asn Gly Ile Lys
39 65 70 75 80
41 Pro Val Tyr Val Phe Asp Gly Lys Pro Pro Gln Leu Lys Ser Gly Glu
42 85 90 95
44 Leu Ala Lys Arg Ser Glu Arg Arg Ala Glu Ala Glu Lys Gln Leu Gln
45 100 105 110
47 Gln Ala Gln Ala Ala Gly Ala Glu Gly Glu Val Glu Lys Phe Thr Lys
48 115 120 125
50 Arg Leu Val Lys Val Thr Lys Gln His Asn Asp Glu Cys Lys His Leu
51 130 135 140
53 Leu Ser Leu Met Gly Ile Pro Tyr Leu Asp Ala Pro Ser Glu Ala Glu
54 145 150 155 160
56 Ala Ser Cys Ala Ala Leu Val Lys Ala Gly Lys Val Tyr Ala Ala Ala
57 165 170 175
59 Thr Glu Asp Met Asp Cys Leu Thr Phe Gly Ser Pro Val Leu Met Arg
60 180 185 190
62 His Leu Thr Ala Ser Glu Ala Lys Lys Leu Pro Ile Gln Glu Phe His
63 195 200 205
65 Leu Ser Arg Ile Leu Gln Glu Leu Gly Leu Asn Gln Glu Gln Phe Val
66 210 215 220
68 Asp Leu Cys Ile Leu Leu Gly Ser Asp Tyr Cys Glu Ser Ile Arg Gly

*need to explain source
of genetic material on line
<223>. See item # 11 on
error summary sheet.*

RAW SEQUENCE LISTING

DATE: 02/01/2002

PATENT APPLICATION: US/09/586,744B

TIME: 08:56:52

Input Set : A:\9584-017.txt

Output Set: N:\CRF3\02012002\I586744B.raw

```

69 225          230          235          240
71 Ile Gly Pro Lys Arg Ala Val Asp Leu Ile Gln Lys His Lys Ser Ile
72          245          250          255
74 Glu Glu Ile Val Arg Arg Leu Asp Pro Asn Lys Tyr Pro Val Pro Glu
75          260          265          270
77 Asn Trp Leu His Lys Glu Ala His Gln Leu Phe Leu Glu Pro Glu Val
78          275          280          285
80 Leu Asp Pro Glu Ser Val Glu Leu Lys Trp Ser Glu Pro Asn Glu Glu
81          290          295          300
83 Glu Leu Ile Lys Phe Met Cys Gly Glu Lys Gln Phe Ser Glu Glu Arg
84 305          310          315          320
86 Ile Arg Ser Gly Val Lys Arg Leu Ser Lys Ser Arg Gln Gly Ser Thr
87          325          330          335
89 Gln Gly Arg Leu Asp Asp Phe Phe Lys Val Thr Gly Ser Leu Ser Ser
90          340          345          350
92 Ala Lys Arg Lys Glu Pro Glu Pro Lys Gly Ser Thr Lys Lys Lys Ala
93          355          360          365
95 Lys Thr Gly Ala Ala Gly Lys Phe Lys Arg Gly Lys
96          370          375          380

```

98 <210> SEQ ID NO: 2

99 <211> LENGTH: 1144

100 <212> TYPE: DNA

c--> 101 <213> ORGANISM: Artificial

103 <220> FEATURE:

104 <223> OTHER INFORMATION: cdNA

106 <400> SEQUENCE: 2

```

107 atgggaattc aaggcctggc caaactaatt gctgatgtgg cccccagtgc catccgggag 60
109 aatgacatca agagctactt tggccgtaag gtggccattg atgcctctat gagcatttat 120
111 cagttcctga ttgctgttcg ccagggtggg gatgtgctgc agaatgagga gggtagagacc 180
113 accagccacc tgatgggcat gttctaccgc accattcgca tgatggagaa cggcatcaag 240
115 cccgtgtatg tctttgatgg caagccgcca cagctcaagt caggcgagct ggccaaacgc 300
117 agtgagcggc gggctgaggc agagaagcag ctgcagcagg ctgaggctgc tggggccgag 360
119 caggaggtgg aaaaattcac taagcggctg gtgaagggtc ctaagcagca caatgatgag 420
121 tgcaaacatc tgctgagcct catgggcatc cttatcttg atgcacccag tgaggcagag 480
123 gccagctgtg ctgccctggt gaaggctggc aaagtctatg ctgcggctac cgaggacatg 540
125 gactgcctca ccttcggcag ccctgtgcta atgcgacacc tgactgccag tgaagccaaa 600
127 aagctgccaa tccaggaatt ccacctgagc cggattctgc aggagctggg cctgaaccag 660
129 gaacagtttg tggatctgtg catcctgcta ggcagtgact actgtgagag tatccgggt 720
131 attgggccca agcgggctgt ggacctcatc cagaagcaca agagcatcga ggagatcgtg 780
133 cggcgacttg accccaacaa gtaccctgtg ccagaaaatt ggctccaca ggaggctcac 840
135 cagctcttct tggaaacctga ggtgctggac ccagagtctg tggagctgaa gtggagcgag 900
137 ccaaatgaag aagagctgat caagttcatg tgtggtgaaa agcagttctc tgaggagcga 960
139 atccgcagtg gggtaagag gctgagtaag agccgccaa ggcagccca gggccgcctg 1020
141 gatgatttct tcaaggtgac cggctcactc tcttcagcta agcgcaagga gccagaaccc 1080
143 aagggatcca ctaagaagaa ggcaaagact ggggcagcag ggaagtttaa aaggggaaaa 1140
145 taaa 1144

```

148 <210> SEQ ID NO: 3

149 <211> LENGTH: 377

150 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 02/01/2002

PATENT APPLICATION: US/09/586,744B

TIME: 08:56:52

Input Set : A:\9584-017.txt

Output Set: N:\CRF3\02012002\I586744B.raw

C--> 151 <213> ORGANISM: Artificial

153 <220> FEATURE:

154 <223> OTHER INFORMATION: Peptide — See page 1

156 <400> SEQUENCE: 3

```

158 Met Gly Ile His Gly Leu Ala Lys Leu Ile Ala Asp Val Ala Pro Ser
159 1 5 10 15
161 Ala Ile Arg Glu Asn Asp Ile Lys Ser Tyr Phe Gly Arg Lys Val Ala
162 20 25 30
164 Ile Asp Ala Ser Met Ser Ile Tyr Gln Phe Leu Ile Ala Val Arg Gln
165 35 40 45
167 Gly Gly Asp Val Leu Gln Asn Glu Glu Gly Glu Thr Thr Ser Leu Met
168 50 55 60
170 Gly Met Phe Tyr Arg Thr Ile Arg Met Glu Asn Gly Ile Lys Pro Val
171 65 70 75 80
173 Tyr Val Phe Asp Gly Lys Pro Pro Gln Leu Lys Ser Gly Glu Leu Ala
174 85 90 95
176 Lys Arg Ser Glu Arg Arg Ala Glu Ala Glu Lys Gln Leu Gln Gln Ala
177 100 105 110
179 Gln Glu Ala Gly Met Glu Glu Val Glu Lys Phe Thr Lys Arg Leu Val
180 115 120 125
182 Lys Val Thr Lys Gln His Asn Asp Glu Cys Lys His Leu Leu Ser Leu
183 130 135 140
185 Met Gly Ile Pro Tyr Leu Asp Ala Pro Ser Glu Ala Glu Ala Ser Cys
186 145 150 155 160
188 Ala Ala Leu Ala Lys Ala Gly Lys Val Tyr Ala Ala Ala Thr Glu Asp
189 165 170 175
191 Met Asp Cys Leu Thr Phe Gly Ser Pro Val Leu Met Arg His Leu Thr
192 180 185 190
194 Ala Ser Glu Ala Lys Lys Leu Pro Ile Gln Glu Phe His Leu Ser Arg
195 195 200 205
197 Val Leu Gln Glu Leu Gly Leu Asn Gln Glu Gln Phe Val Asp Leu Cys
198 210 215 220
200 Ile Leu Leu Gly Ser Asp Tyr Cys Glu Ser Ile Arg Gly Ile Gly Ala
201 225 230 235 240
203 Lys Arg Ala Val Asp Leu Ile Gln Lys His Lys Ser Ile Glu Glu Ile
204 245 250 255
206 Val Arg Arg Leu Asp Pro Ser Lys Tyr Pro Val Pro Glu Asn Trp Leu
207 260 265 270
209 His Lys Glu Ala Gln Gln Leu Phe Leu Glu Pro Glu Val Val Asp Pro
210 275 280 285
212 Glu Ser Val Glu Leu Lys Trp Ser Glu Pro Asn Glu Glu Glu Leu Val
213 290 295 300
215 Lys Phe Met Cys Gly Glu Lys Gln Phe Ser Glu Glu Arg Ile Arg Ser
216 305 310 315 320
218 Gly Val Lys Arg Leu Ser Lys Ser Arg Gln Gly Ser Thr Gln Gly Arg
219 325 330 335
221 Leu Asp Asp Phe Phe Lys Val Thr Gly Ser Leu Ser Ser Ala Lys Arg
222 340 345 350
224 Lys Glu Pro Glu Pro Lys Gly Ser Ala Lys Lys Lys Ala Lys Thr Gly

```

RAW SEQUENCE LISTING

DATE: 02/01/2002

PATENT APPLICATION: US/09/586,744B

TIME: 08:56:52

Input Set : A:\9584-017.txt

Output Set: N:\CRF3\02012002\I586744B.raw

225 355 360 365

227 Gly Ala Gly Lys Phe Arg Arg Gly Lys

228 370 375

230 <210> SEQ ID NO: 4

231 <211> LENGTH: 1930

232 <212> TYPE: DNA

C--> 233 <213> ORGANISM: Artificial

235 <220> FEATURE:

236 <223> OTHER INFORMATION: CDNA - see page 1

238 <400> SEQUENCE: 4

239	atgggaattc	acggccttgc	caaaactaatt	gctgatgtgg	cccccagtgc	catccgtgag	60
241	aatgacatca	agagctactt	tggctgtaaa	gtggccatcg	atgectccat	gagcatctac	120
243	cagttcctga	ttgctgttcg	tcagggtggg	gatgtgctgc	agaacgagga	gggtgagacc	180
245	accagcctga	tgggcatggt	atggcaaacc	atccgcatgg	agaatggcat	caagcctgtg	240
247	tacgtctttg	atggcaaacc	accacagctg	aagtcaggcg	agctggccaa	gcgcagtgag	300
249	aggcgcgccg	aggctgagaa	gcaactgcag	caggctcagg	aggctgggat	ggaggaggag	360
251	gtggagaagt	tcaccaagag	gctcgtgaag	gtcaccaagc	aacacaatga	tgagtgc aaa	420
253	cacctcgtga	gcctcatggg	catcccttac	cttgatgcac	ccagcgaggc	agaggccagc	480
255	tgtgctgccc	tggcaaaggc	tggcaaagtc	tatgctgcgg	ccacggagga	catggactgc	540
257	ctcaactttt	gcagccccgt	gctaattgca	cacttaactg	ccagtgaggc	caagaagctg	600
259	cccatccaag	agttccatct	gagccgcgtc	ctgcaggagc	tgggtctgaa	ccaggagcag	660
261	tttgtggatc	tgtgcatcct	gctgggtagc	gactactgcg	agagcatccg	tggcattggc	720
263	gccaagcggg	ctgtggatct	catccagaaa	cataagagca	tcgaggagat	cgtgaggcgg	780
265	ctggacccca	gcaagtaccc	cgttcacagag	aactggctcc	acaaggaagc	ccagcagctc	840
267	ttcctggagc	cagaagtagt	ggaccacagag	tctgtggagc	tgaagtggag	cgagccaaat	900
269	gaagaagagt	tggtc aaatt	tatgtgtggt	gaaaagcagt	tttctgaaga	gcgaattcgc	960
271	agtgggggtca	agcggctgag	taagagccgc	cagggcagca	cccagggacg	cctcgatgat	1020
273	ttcttcaagg	tgacaggctc	actctcctca	gctaagcgca	aggagccaga	acccaagggg	1080
275	cctgctaaga	agaaagcaaa	gactggggga	gcgggggaagt	tccgaagggg	aaaataaacc	1140
277	tgtccttccc	ctccactgtc	cttgacccca	ggctgtctat	ctgtttttgt	ccctgcgctg	1200
279	cagcacatcc	ctcttgtccc	tcgtcttgag	gagagttcat	tgtttccagc	gctcgccttc	1260
281	agagctttcc	ctctcttgac	cctgtggcag	gaaggccgta	gctctgcttt	ttctcatttt	1320
283	tagctcagga	aagatgtcag	gctcaaacca	cttctcaggt	taatggacac	tgtagtcatt	1380
285	gttctgtgca	actgcgagca	atgtcttaag	gaagaagaag	ataaagccgg	gagcgaggct	1440
287	ggagatagtt	tcccagctgg	ccagctggtg	gaggagaggt	gactagaacc	tgactgacta	1500
289	ctgctccttc	taatttcaact	gtccctgaaa	gatgcccato	agcctgggat	tcgctgatgg	1560
291	aagaactgca	aagagacgca	gcagagagaa	gtctggctga	caacagattt	agtactgacc	1620
293	agctgatttt	tgtgggcaga	aatttgaact	tgtgcctgc	tgagtccagt	agttgtgcag	1680
295	ggagtgagat	ggcagtgttt	aagttttgat	ttgtagtttt	ttgtttttgt	ctctccccctc	1740
297	tccagtgttg	gggattgacc	ccagggcaaa	ggcattaagt	gtgccactga	cctgtgcctc	1800
299	caagtgatgt	tctgacagcc	tttctgaggc	aatcaattga	attgaggttt	tgggagaaga	1860
301	aactgtttgt	cataggctat	ttctatttta	aaagatgtga	agagaaaaaa	aaaacaataa	1920
303	aattataaaa						1930

306 <210> SEQ ID NO: 5

307 <211> LENGTH: 382

308 <212> TYPE: PRT

C--> 309 <213> ORGANISM: Artificial

311 <220> FEATURE:

312 <223> OTHER INFORMATION: Peptide - see page 1

RAW SEQUENCE LISTING

DATE: 02/01/2002

PATENT APPLICATION: US/09/586,744B

TIME: 08:56:52

Input Set : A:\9584-017.txt

Output Set: N:\CRF3\02012002\I586744B.raw

314 <400> SEQUENCE: 5

```

316 Met Gly Ile Lys Gly Leu Asn Ala Ile Ile Ser Glu His Val Pro Ser
317 1      5      10      15
319 Ala Ile Arg Lys Ser Asp Ile Lys Ser Phe Phe Gly Arg Lys Val Ala
320      20      25      30
322 Ile Asp Ala Ser Met Ser Leu Tyr Gln Phe Leu Ile Ala Val Arg Gln
323      35      40      45
325 Gln Asp Gly Gly Gln Leu Thr Asn Glu Ala Gly Glu Thr Thr Ser His
326      50      55      60
328 Leu Met Gly Met Phe Tyr Arg Thr Leu Arg Met Ile Asp Asn Gly Ile
329 65      70      75      80
331 Lys Pro Cys Tyr Val Phe Asp Gly Lys Pro Pro Asp Leu Lys Ser His
332      85      90      95
334 Glu Leu Thr Lys Arg Ser Ser Arg Arg Val Glu Thr Glu Lys Lys Leu
335      100     105     110
337 Ala Glu Ala Thr Thr Glu Leu Glu Lys Met Lys Gln Glu Arg Arg Leu
338      115     120     125
340 Val Lys Val Ser Lys Glu His Asn Glu Glu Ala Gln Lys Leu Leu Gly
341      130     135     140
343 Leu Met Gly Ile Pro Tyr Ile Ile Ala Pro Thr Glu Ala Glu Ala Gln
344 145     150     155     160
346 Cys Ala Glu Leu Ala Lys Lys Gly Lys Val Tyr Ala Ala Ala Ser Glu
347      165     170     175
349 Asp Met Asp Thr Leu Cys Tyr Arg Thr Pro Phe Leu Leu Arg His Leu
350      180     185     190
352 Thr Phe Ser Glu Ala Lys Lys Glu Pro Ile His Glu Ile Asp Thr Glu
353      195     200     205
355 Leu Val Leu Arg Gly Leu Asp Leu Thr Ile Glu Gln Phe Val Asp Leu
356      210     215     220
358 Cys Ile Met Leu Gly Cys Asp Tyr Cys Glu Ser Ile Arg Gly Val Gly
359 225     230     235     240
361 Pro Val Thr Ala Leu Lys Leu Ile Lys Thr His Gly Ser Ile Glu Lys
362      245     250     255
364 Ile Val Glu Phe Ile Glu Ser Gly Glu Ser Asn Asn Thr Lys Trp Lys
365      260     265     270
367 Ile Pro Glu Asp Trp Pro Tyr Lys Gln Ala Arg Met Leu Phe Leu Asp
368      275     280     285
370 Pro Glu Val Ile Asp Gly Asn Glu Ile Asn Leu Lys Trp Ser Pro Pro
371      290     295     300
373 Lys Glu Lys Glu Leu Ile Glu Tyr Leu Cys Asp Asp Lys Lys Phe Ser
374 305     310     315     320
376 Glu Glu Arg Val Lys Ser Gly Ile Ser Arg Leu Lys Lys Gly Leu Lys
377      325     330     335
379 Ser Gly Ile Gln Gly Arg Leu Asp Gly Phe Phe Gln Val Val Pro Lys
380      340     345     350
382 Thr Lys Glu Gln Leu Ala Ala Ala Ala Lys Arg Ala Gln Glu Asn Lys
383      355     360     365
385 Lys Leu Asn Lys Asn Lys Asn Lys Val Thr Lys Gly Arg Arg
386      370     375     380

```

VERIFICATION SUMMARY

DATE: 02/01/2002

PATENT APPLICATION: US/09/586,744B

TIME: 08:56:53

Input Set : A:\9584-017.txt

Output Set: N:\CRF3\02012002\I586744B.raw

L:19 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:101 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:151 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:233 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:309 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:391 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:441 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:526 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:576 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:718 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:720 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:720 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:821 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:833 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:846 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:858 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:870 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:886 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:899 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:915 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:931 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:947 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:963 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:979 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:995 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:1011 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:1027 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:1043 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:1059 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27
L:1072 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28
L:1122 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29
L:1134 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:1146 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
L:1158 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
L:1170 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:1182 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:1194 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35
L:1206 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:36
L:1218 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:37
L:1230 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38
L:1242 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
L:1254 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40
L:1266 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41
L:1278 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:1290 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43
L:1302 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44
L:1314 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45
L:1326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46

VERIFICATION SUMMARY

DATE: 02/01/2002

PATENT APPLICATION: US/09/586,744B

TIME: 08:56:53

Input Set : A:\9584-017.txt

Output Set: N:\CRF3\02012002\I586744B.raw

L:1338 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47
L:1350 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48
L:1362 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:49
L:1374 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50